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CLAIMS

- 1. Fischer-Tropsch process for the conversion of carbon monoxide and hydrogen to C₅⁺ hydrocabon mixtures in which process use is made of Fischer-Tropsch catalyst particles and fluid catalytic cracking catalyst particles.
- Process according to claim 1 wherein a reaction mixture of carbon monoxide and hydrogen is contacted with the Fischer-Tropsch catalyst particles and fluid catalytic cracking catalyst particles.
 - 3. Process according to claim 2 wherein the Fischer-Tropsch catalyst particles and the fluid catalytic cracking catalyst particles are dosed individually to the reaction mixture.

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- 4. Process according to claim 3 wherein the Fischer-Tropsch catalyst particles and the fluid catalytic cracking catalyst particles are dosed at different rates.
- 5. Process according to claim 2, wherein the Fischer-Tropsch catalyst particles and fluid catalytic cracking catalyst particles are used in the form of shaped bodies in which both particles are embedded.
 - Process according to claim 1 wherein the Fischer-Tropsch catalyst particles
 are used in the second step of the Fischer-Tropsch process and the fluid
 catalytic cracking catalyst particles are used in the third step of the FischerTropsch process.
 - 7. Process according to any one of the preceding claims wherein the Fischer-Tropsch catalyst particles comprise iron.

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- 8. Process according to any one of the preceding claims wherein the Fischer-Tropsch catalyst particles comprise cobalt.
- Process according to any one of the preceding claims wherein the fluid
 catalytic cracking catalyst is a spent or equilibrium fluid catalytic cracking
 catalyst.
 - 10. Process according to any one of the preceding claims wherein a metal compound has been deposited on the fluid catalytic cracking catalyst.

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